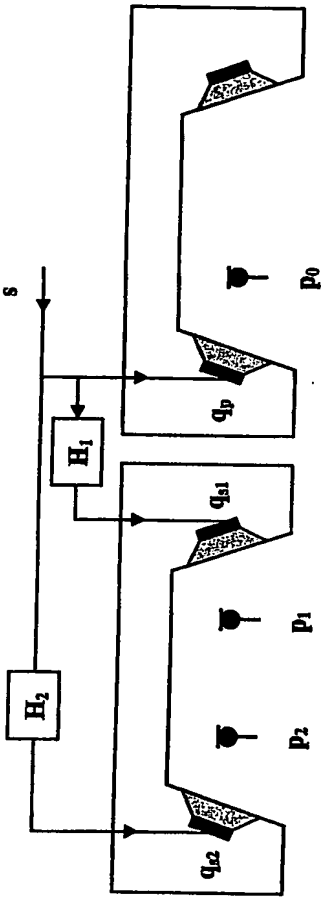

FIGURE 1

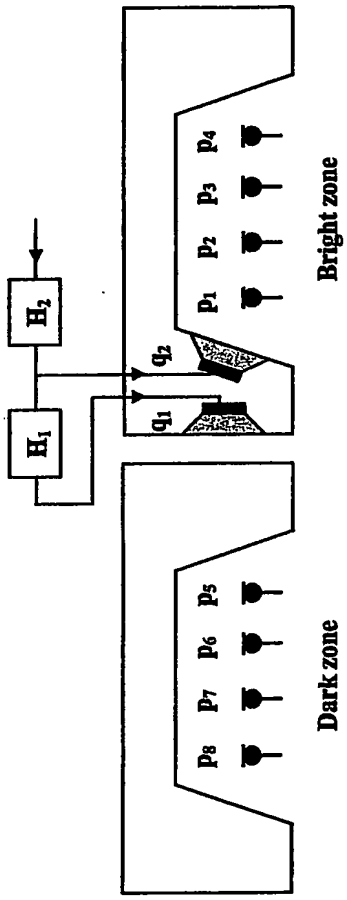

FIGURE 3

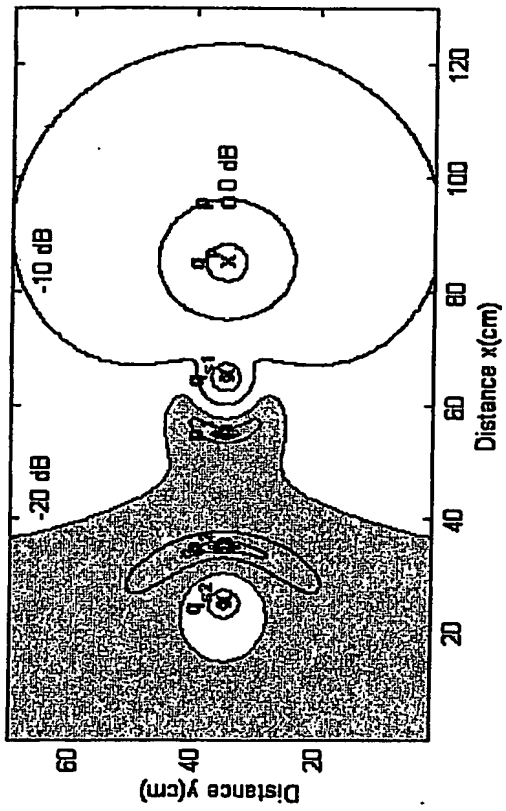
0 dB
-10 dB
-20 dB
20
40
60
80
100
120
Distance x(cm)
20
40
60
Distance y(cm)

FIGURE 2

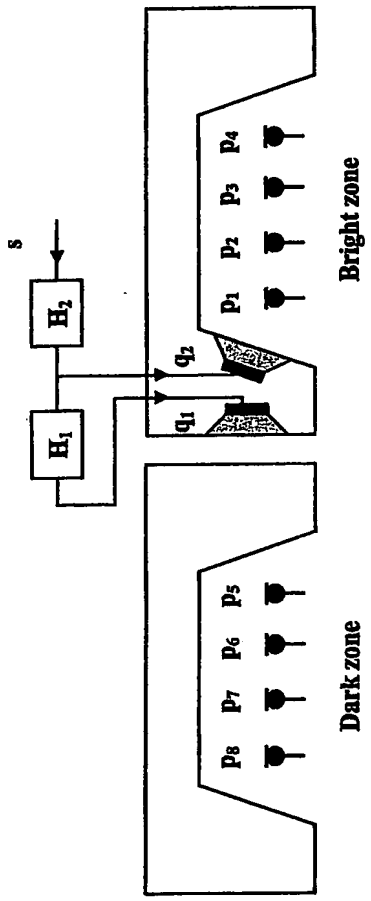

FIGURE 3

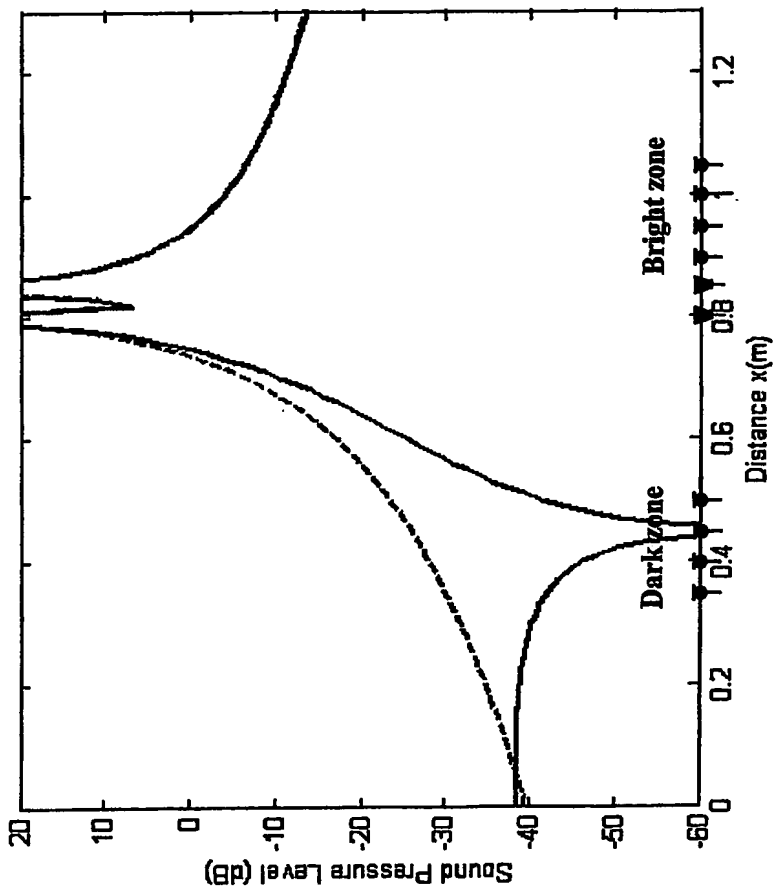
Sound Pressure Level (dB)
20
10
0
-10
-20
-30
-40
-50
-60
0
0.2
0.4
0.6
0.8
1
1.2
Distance x(m)
Bright zone
Dark zone

FIGURE 4

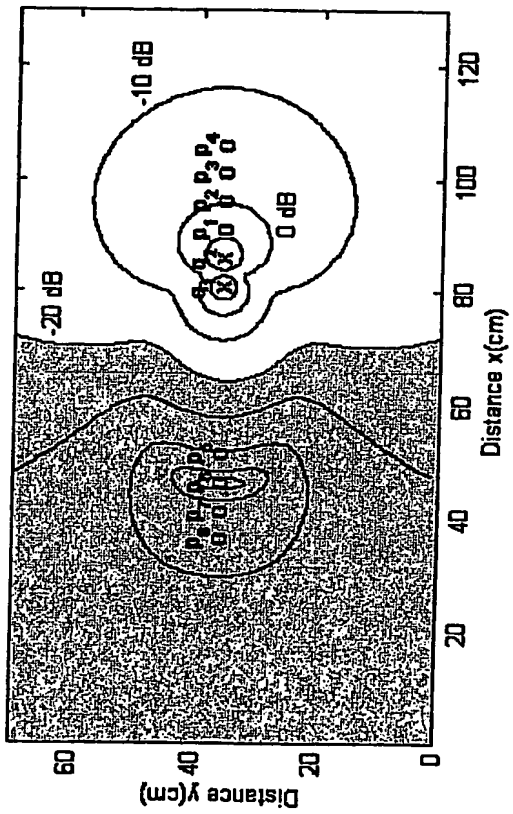

FIGURE 5

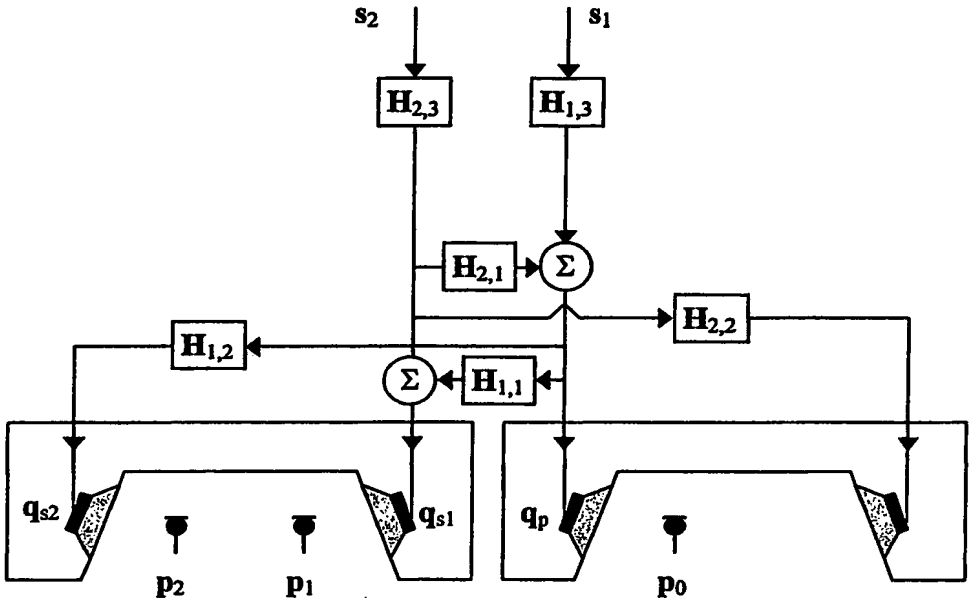

FIGURE 6

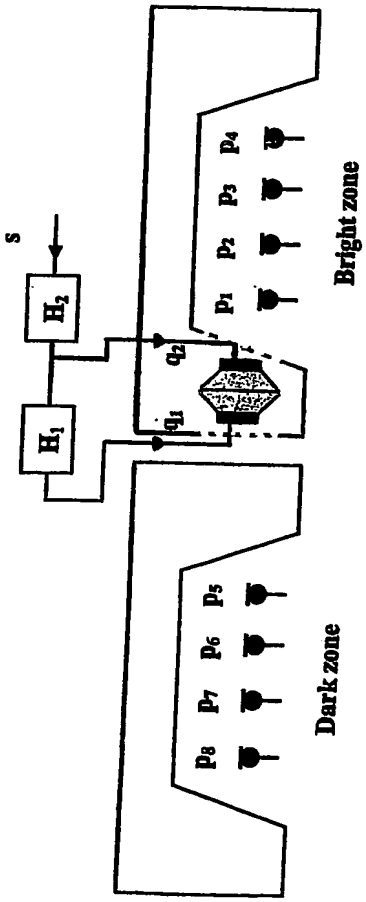

FIGURE 7